

Message Text

CONFIDENTIAL

PAGE 01 OECD P 11385 191534Z

ACTION EB-08

INFO OCT-01 CIAE-00 COME-00 DODE-00 NSAE-00 USIA-06

TRSE-00 EUR-12 ERDA-05 ISO-00 /032 W

-----191537Z 009182 /53

P 191529Z APR 77

FM USMISSION OECD PARIS

TO SECSTATE WASH DC PRIORITY 6187

C O N F I D E N T I A L OECD PARIS 11385

EXCON

E.O. 11662: XGDS1

TAGS: ESTC, COCOM, CA, CH

SUBJ: CANADIAN MAGNETOMETERS TO CHINA - IL 1571

REFS: A) STATE 83L48, B) COCOM DOC. (77) 47

1. IN REPLY TO INFORMATION REQUESTED REF A, CANADIAN DEL
HAS SUPPLIED FOLLOWING INFORMATION:

"AS STATED ON THE TECHNICAL BROCHURE SUBMITTED TO THE
SECRETARIAT, THE MFM3 SINGLE COMPONENT MAGNETOMETER IS
RATED AS HAVING AN OUTPUT SENSITIVITY OF 100MV/GAMMA
WITH AN OUTPUT NOISE OF 10 MILLIGAMMA PEAK-TO-PEAK OVER
THE FREQUENCY RANGE OF .01 HZ TO 1 HZ, AND LESS THAN
1 MILLIGAMMA FROM 1 TO 1000 HZ, RMS DIVIDED BY THE SQU-
ARE ROOT OF THE FREQUENCY.

"TO CONVERT THIS SENSITIVITY TO THE TERMS OF NOTE 1
TO INTERNATIONAL LIST ITEM 1571, I.E. THE VISUAL SINU-
SOIDAL SIGNAL IN THE FREQUENCY RANGE OF 0.025 TO 1.5 HZ
WHEN SIGNAL TO NOISE RATIO IS HIGHER THAN 1, THE EQUIVA-
LENT MAXIMUM SENSITIVITY WOULD BE 0.015 GAMMA.

"IT SHOULD BE NOTED THAT THIS BASE-STATION FLUXGATE
MAGNETOMETER CAN ONLY BE USED AT A FIXED LOCATION AND IS
OF NOVALUE IN ANY MOBILE APPLICATION. IT HAS BEEN
DESIGNED SOLELY FOR USE IN GEOPHYSICAL MAGNETOTELLURIC
CONFIDENTIAL

CONFIDENTIAL

PAGE 02 OECD P 11385 191534Z

AND ELECTROMAGNETIC MEASUREMENTS.

"THE CANADIAN GOVERNMENT IS PREPARING A DETAILED
TECHNICAL REPORT OF A CANADIAN GEOPHYSICAL MISSION TO
CHINA IN OCTOBER 76, AND COPIES WILL BE PROVIDED
TO THE COMMITTEE BY MAY 77. THIS REPORT WILL REFLECT
DOCUMENTED AND PHOTOGRAPHIC EVIDENCE OF THE CHINESE CAP-
ABILITY TO PRODUCE, IN QUANTITY, MAGNETOMETERS SUCH AS

THE CBG-1 BASE-STATION HELIUM, OPTICALLY-PUMPED MAGNETOMETER WITH SENSITIVITY OF 0.05 GAMMA, A CCK-1 THREE COMPONENT FLUXGATE AIRBORNE MAGNETOMETER OF BETTER THAN ONE GAMMA SENSITIVITY, A CHH-K MARINE AND AIRBORNE PROTON PRECESSION MAGNETOMETER OF 0.25 GAMMA SENSITIVITY (1 SECOND CYCLE TIME) AND SEVERAL TYPES OF GROUND MAGNETOMETERS USING TORSION, SCHMIDT, FLUXGATE AND OTHER PRINCIPLES.

"BASED ON THE LIMITED END-USE CAPABILITY OF THE MFM-3 MAGNETOMETER IN LIGHT OF THE EVIDENCE OF ADVANCED CHINESE TECHNOLOGY IN THE ENTIRE FIELD OF GEOPHYSICAL MAGNETOMETERS, THE CANADIAN AUTHORITIES CONSIDER THAT THE EXPORT OF THE MFM-3 MAGNETOMETER FOR USE BY THE PEKIN BUREAU OF GEOLOGY INVOLVES NO STRATEGIC RISK."

2. REQUEST FINAL VIEWS BY MAY 3.
TURNER

CONFIDENTIAL

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: ELECTRONIC EQUIPMENT, IL 1571, END USE CHECKS, EXPORT LICENSES
Control Number: n/a
Copy: SINGLE
Sent Date: 19-Apr-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 22 May 2009
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977OECDP11385
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: X1
Errors: N/A
Expiration:
Film Number: D770135-1151
Format: TEL
From: OECD PARIS
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770442/aaaabkqk.tel
Line Count: 79
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 24e5b4a2-c288-dd11-92da-001cc4696bcc
Office: ACTION EB
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: 77 STATE 83
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 01-Mar-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2764157
Secure: OPEN
Status: NATIVE
Subject: CANADIAN MAGNETOMETERS TO CHINA - IL 1571
TAGS: ESTC, CA, CH, US, COCOM
To: STATE
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/24e5b4a2-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009